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AMENDMENTS TO THE SPECIFICATION

Insert Table A after line 23, on page 16.

Table A

Public Name of Marker	bin #	PH0GC base pairs
phi427913	1.01	129.38
bnlg1014	1.01	128.03
phi056	1.01	249.32
bnlg1083	1.02	200.09
bnlg1127	1.02	114.36
bnlg1953	1.02	247.56
bnlg1429	1.02	209.25
bnlg439	1.03	227.79
phi109275	1.03	126.31
phi339017	1.03	148.86
bnlg1203	1.03	302.17
bnlg1484	1.03	190.57
bnlg2086	1.04	227.58
bnlg1832	1.05	215.70
bnlg1886	1.05	143.58
bnlg1057	1.06	247.00
bnlg1041	1.06	194.58
bnlg1615	1.06	223.21
bnlg1556	1.07	196.97
phi335539	1.08	88.58
phi423298	1.08	133.68
phi002	1.08	69.78
bnlg1331	1.09	117.15
phi011	1.09	212.44
phi227562	1.11	319.44
phi265454	1.11	217.66
phi064	1.11	102.33
phi402893	2.00	212.91
phi96100	2.01	300.23
bnlg1017	2.02	180.52
bnlg2277	2.02	284.58
bnlg1064	2.03	188.18
bnlg1909	2.05	310.30
bnlg1138	2.06	235.77
bnlg1396	2.06	134.80
bnlg1831	2.06	189.90

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Public Name of Marker	bin #	PH0GC base pairs
phi251315	2.07	123.79
phi328189	2.08	121.35
phi427434	2.08	137.07
phi435417	2.08	214.27
bnlg1141	2.08	133.13
bnlg1940	2.08	221.80
phi127	2.08	123.97
bnlg1520	2.09	298.52
phi101049	2.10	244.88
phi453121	3.00	223.43
phi104127	3.01	169.96
phi404206	3.01	300.24
phi193225	3.02	133.45
phi374118	3.02	225.95
bnlg1144	3.02	162.01
bnlg1647	3.02	161.75
bnlg1523	3.03	290.41
bnlg1019	3.04	168.74
bnlg1113	3.04	77.84
bnlg1452	3.04	98.80
bnlg1035	3.05	114.49
phi053	3.05	166.74
phi102228	3.06	126.84
bnlg1160	3.06	222.23
bnlg1951	3.06	134.77
bnlg2241	3.06	136.59
phi072	4.00	141.56
phi213984	4.01	303.16
phi295450	4.01	194.09
bnlg1162	4.03	94.88
phi308090	4.04	216.06
phi096	4.04	234.58
phi438301	4.05	208.45
bnlg1159	4.05	147.81
bnlg1755	4.05	206.60
bnlg1937	4.05	218.18
bnlg1265	4.05	188.57
phi079	4.05	185.40
bnlg1189	4.07	138.12
bnlg2244	4.08	216.18
bnlg1006	5.00	192.30

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Public Name of Marker	bin #	PH0GC base pairs
phi396160	5.02	298.12
phi109188	5.03	161.52
bnlg653	5.04	156.23
phi331888	5.04	126.44
bnlg1208	5.04	134.77
bnlg1892	5.04	143.42
phi333597	5.05	210.74
phi085	5.06	233.51
bnlg1711	5.07	152.48
phi423796	6.01	128.39
phi389203	6.03	306.15
phi452693	6.04	126.09
phi445613	6.05	100.12
bnlg1174	6.05	218.72
phi299852	6.07	134.89
phi364545	6.07	133.51
bnlg1740	6.07	236.30
phi070; umc1063	6.07	81.05
phi034	7.02	119.55
bnlg2271	7.03	233.69
phi328175	7.04	128.31
phi260485	7.05	301.94
phi069	7.05	204.40
phi116	7.06	158.89
phi420701	8.00	297.77
bnlg1194	8.02	181.55
phi100175	8.03	136.75
bnlg2082	8.03	172.52
phi115	8.03	290.66
phi121	8.03	93.90
bnlg2046	8.04	326.12
bnlg1176	8.05	214.47
bnlg1152	8.06	153.04
bnlg1065	8.07	231.20
phi015	8.08	94.16
phi233376	8.09	147.93
bnlg2122	9.01	219.19
bnlg1012	9.04	157.54
phi032	9.04	236.63
phi236654	9.05	117.08

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Cond

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BS1
cont

Public Name of Marker	bin #	PH0GC base pairs
bnlg1129	9.08	298.38
phi96342	10.02	249.64
phi059	10.02	143.60
bnlg1079	10.03	170.34
phi050	10.03	81.29
phi301654	10.04	128.33
phi062	10.04	157.81
phi323152	10.05	137.49
bnlg1074	10.05	177.82
bnlg1185	10.07	151.61
bnlg1450	10.07	189.35
phi109642	2.03/2.04	148.23
bnlg1720	1.09/1.10	242.56
phi448880	9.06/9.07	186.11